

POLYESTER YARN SUITABLE FOR FALSE TWISTING

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Abstract

PROBLEM TO BE SOLVED: To provide a PTT-POY which can industrially be produce by inhibiting the tight winding of the PTT-POY and the generation of bulge, inhibits the generation of fluffs and yarn breakage in the spinning process and in post processes such as a false twisting process, by controlling frictions and wears of the yarn with guides, and can stably be false-twisted.

SOLUTION: This PTT-POY produced by a special spinning method which comprises crystallizing the yarn by a thermal treatment under specific conditions, imparting a finishing agent having a specific composition, and winding up the yarn under an extremely low tension, and having orientation, crystallinity, and friction coefficient within specific ranges. The tight winding of the PTT-POY and the generation of bulge which are large problems on the production of the PTT-POY can be avoided, and post processability such as false twisting can remarkably be improved.

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